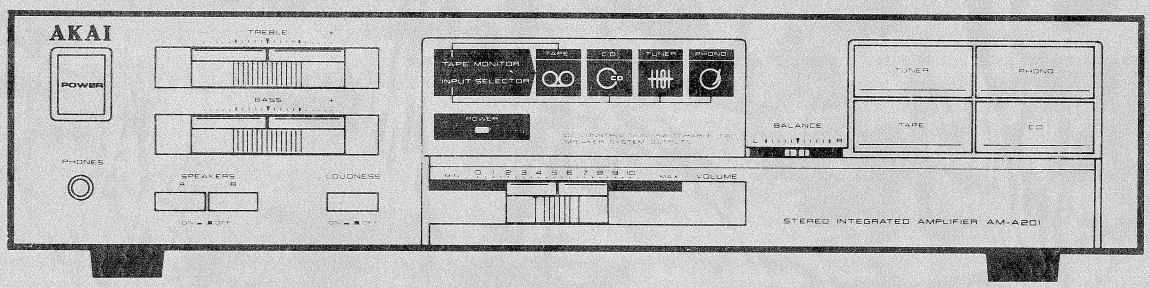
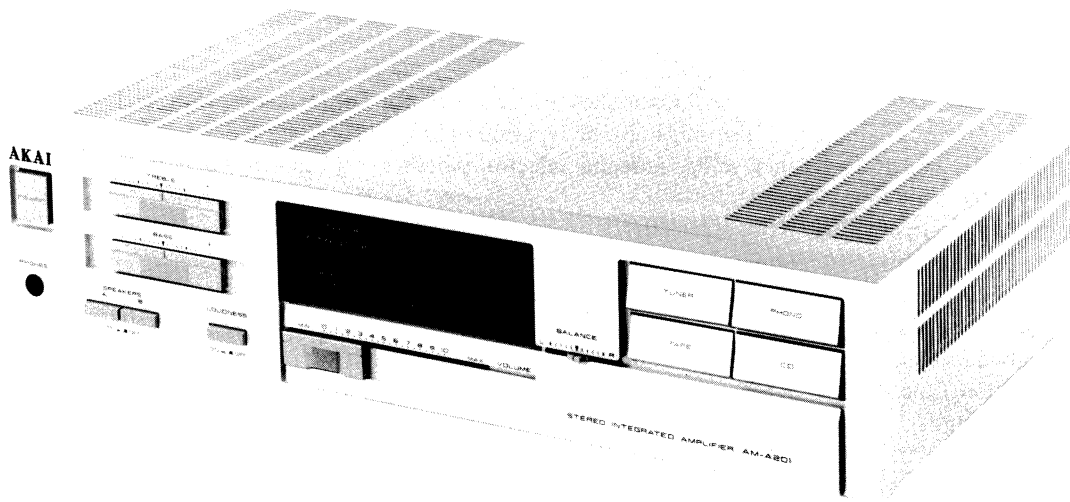
AM-A201

AKAI SERVICE MANUAL



STEREO INTEGRATED AMPLIFIER

MODEL AM-A201



STEREO INTEGRATED AMPLIFIER

MODEL AM-A201

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SECTION 2 PARTS LIST 9

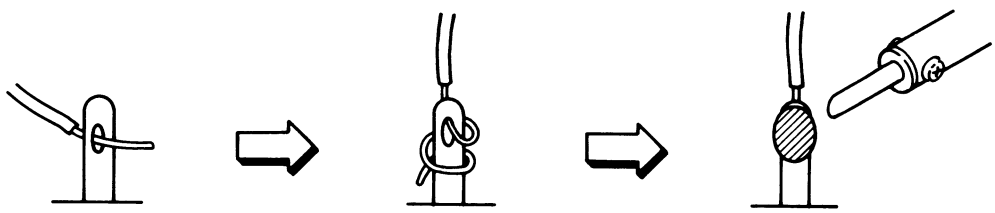
SAFETY INSTRUCTIONS

SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 Mohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for [C] or [A], specified insulation resistance should be more than 2.2 Mohms (ground terminals, microphone jacks, headphone jacks. line-in-out jacks etc.)

PRECAUTIONS DURING SERVICING

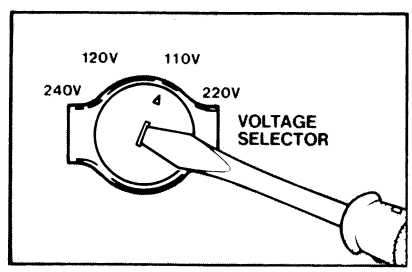
1. Parts identified by the ⚠ symbol parts are critical for safety.
   Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.
   Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape
   2) PVC tubing
   3) Spacers (Insulating Barriers)
   4) Insulation sheets for transistors
   5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

VOLTAGE CONVERSION

Models for Canada, USA, Europe, UK and Australia are not equipped with this facility. Each machine is preset at the factory according to destination, but some machines can be set to 110V, 120V, 220V or 240V as required.
If your machine's voltage can be converted:
Before connecting the power cord, turn the VOLTAGE SELECTOR located on the rear panel with a screwdriver until the correct voltage is indicated.



SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS 4
II. DISMANTLING OF UNIT 5
III. CONTROLS 6
IV. PRINCIPAL PART LOCATION 7
V. PC BOARD TITLES AND IDENTIFICATION NUMBERS 8

For basic adjustments, measuring methods, and operating principles, refer to GENERAL TECHNICAL MANUAL.

I. SPECIFICATIONS

POWER AMPLIFIER SECTION

RATED POWER OUTPUT	8 ohms
40Hz to 20kHz	40W/0.1%
POWER OUTPUT (BY FTC)	
40Hz to 200kHz	40W/0.1%
DIN	
1kHz	45W/0.1%
MUSIC POWERS (BOTH CHANNEL)	200W
POWER BANDWIDTH	
(IHF –3dB, 8 ohms)	10Hz to 40kHz (0.3%)
S/N (IHF-A)	
PHONO	72dB
AUX	95dB
RESIDUAL NOISE (8 ohms)	0.5mV
CHANNEL SEPARATION (IHF, 1kHz)	45dB
DAMPING FACTOR (1kHz, 8 ohms)	30
REQUIRED SPEAKER IMPEDANCE	
FOR WEST GERMANY, UK and AUSTRALIA	A or B: 4 to 16 ohms
	A and B: 4 to 16 ohms
FOR OTHER COUNTRIES	A or B: 6 to 16 ohms
	A and B: 6 to 16 ohms

PRE AMPLIFIER SECTION

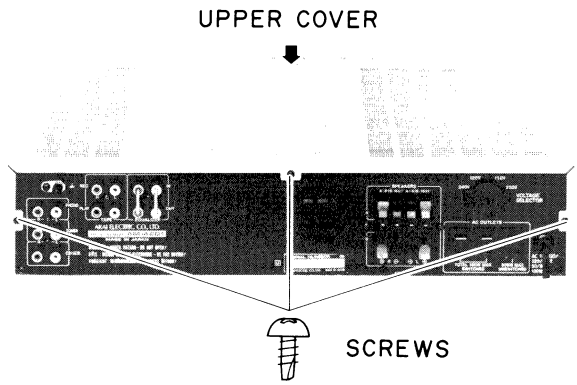
INPUT SENSITIVITY/IMPEDANCE	
PHONO	2.0mV/47 kohms
AUX	150mV/47k ohms
TUNER	150mV/47k ohms
TAPE	150mV/47k ohms
OUTPUT LEVEL/IMPEDANCE	
TAPE REC	150mV/1k ohms
FREQUENCY RESPONSE	
PHONO (RIAA DEVIATION)	±0.5dB
TUNER, AUX, TAPE	5Hz to 100kHz (–3dB)
TONE CONTROL	
BASS	±8dB
TREBLE	±8dB
PHONO MAX. INPUT LEVEL	120mV
POWER REQUIREMENTS	120V,60Hz for USA & Canada
	220V,50Hz for Europe except UK
	240V,50Hz for UK & Australia
	110/120/220/240V,50/60Hz convertible for other countries
DIMENSIONS	440(W) x 100(H) x 267(D) mm
	(17.3 x 3.9 x 10.5 inches)
WEIGHT	5.7kg (12.6 lbs)

* For improvement purposes, specifications and design are subject to change without notice.

II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.

1



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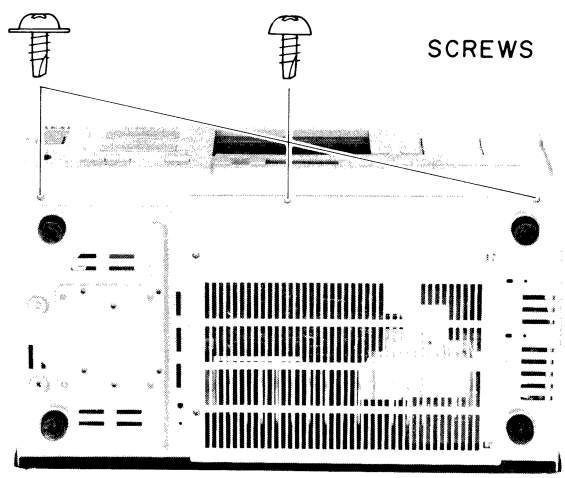
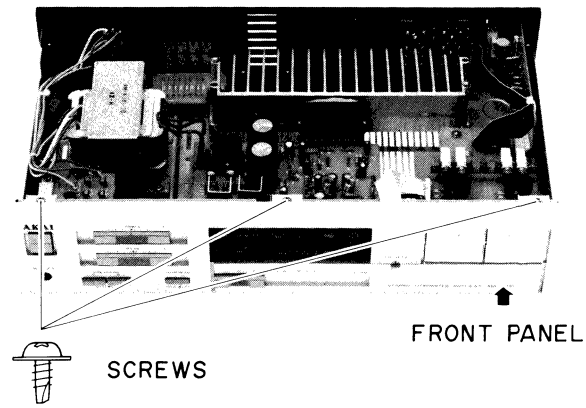
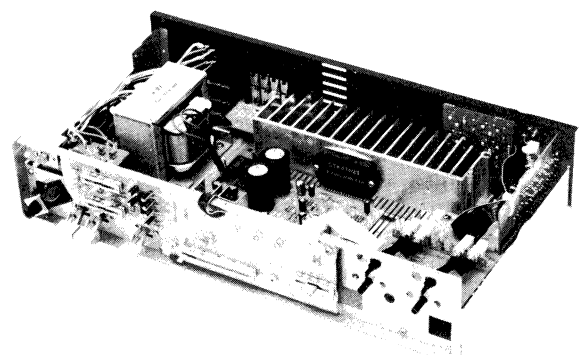


3



4



III. CONTROLS

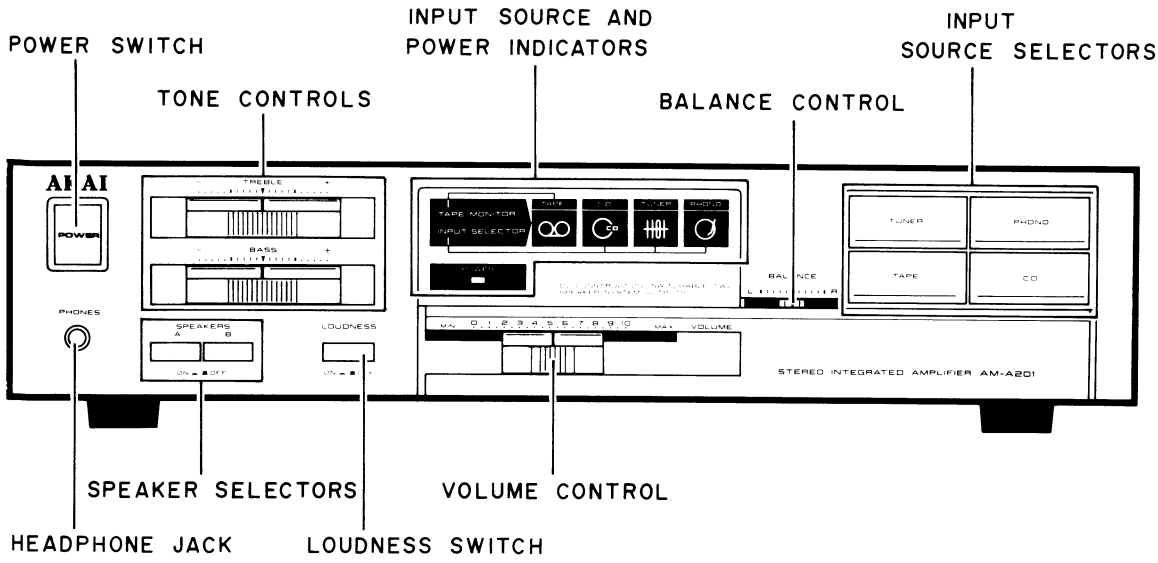


Fig. 3-1

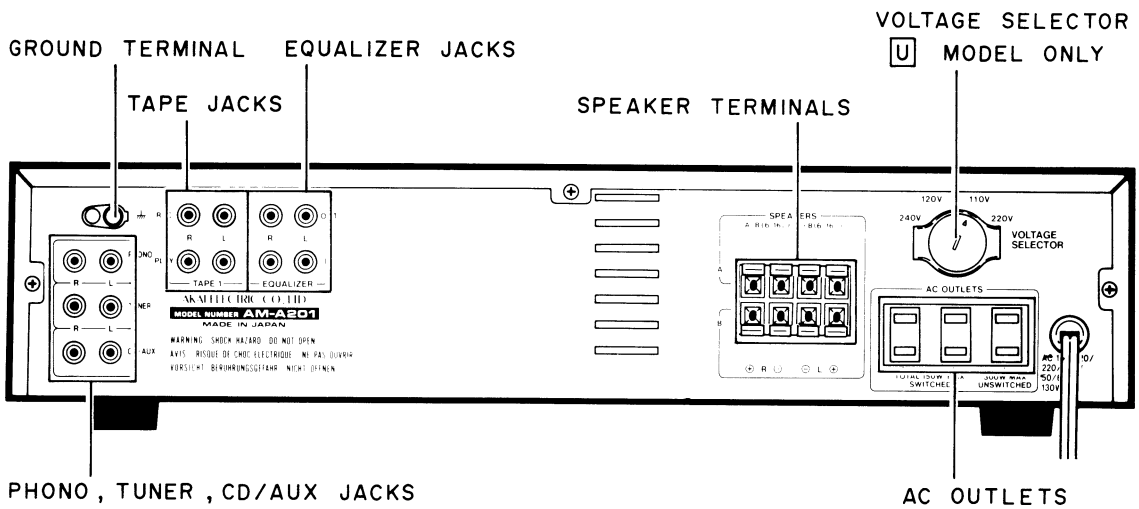


Fig. 3-2

IV. PRINCIPAL PART LOCATION

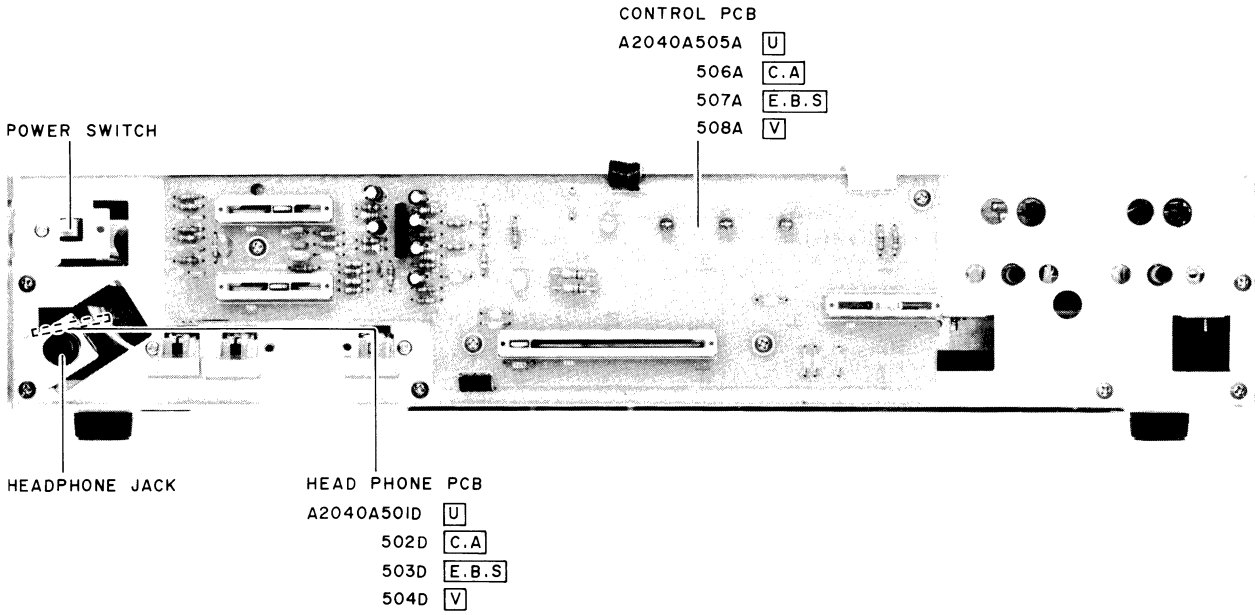


Fig. 4-1

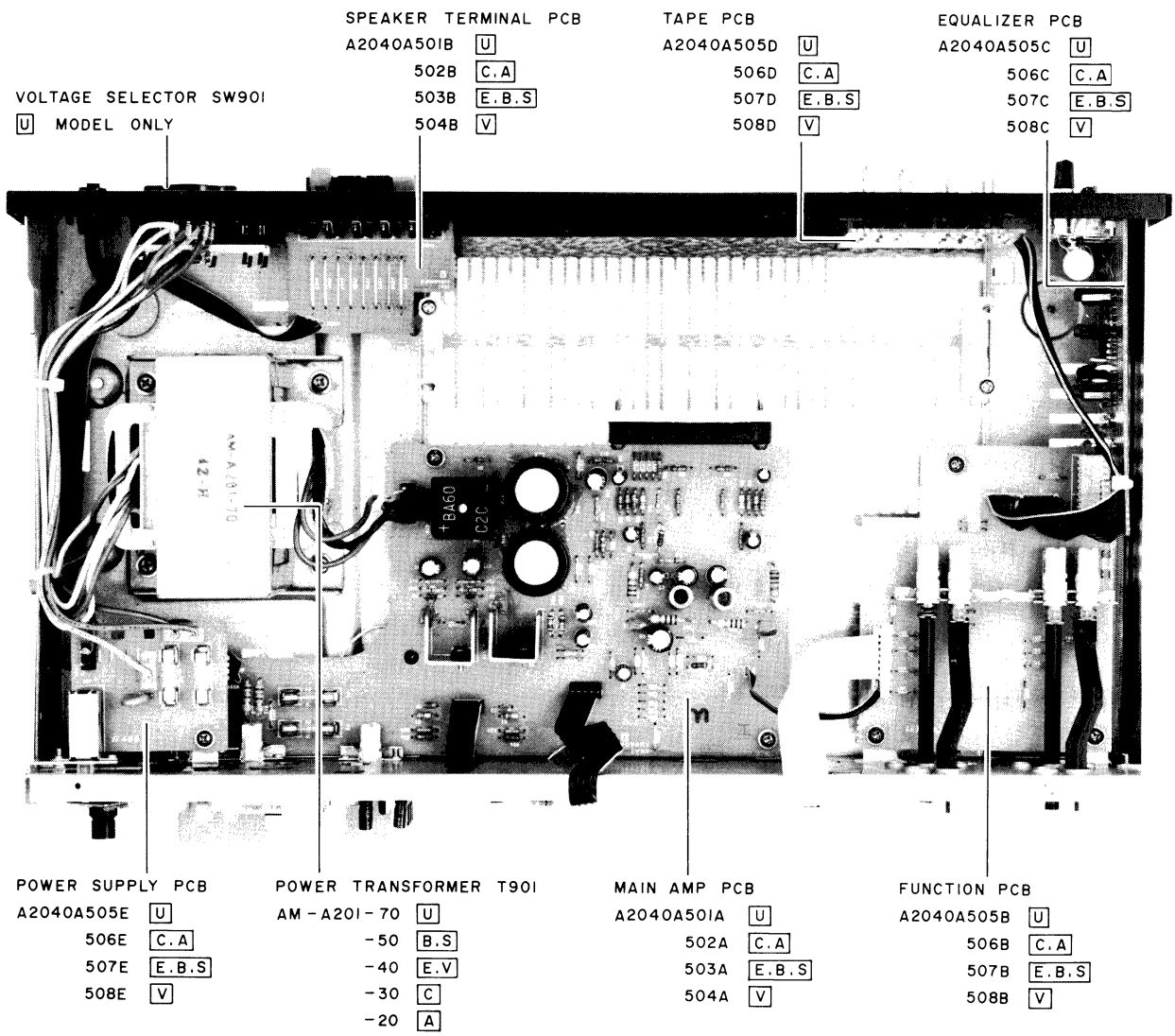


Fig. 4-2

V. PC BOARD TITLES AND IDENTIFICATION NUMBERS

PC BOARD TITLE		PC BOARD NUMBER	REMARKS
MAIN AMP	PC BOARD	A2040A501A	U
		A2040A502A	C, A
		A2040A503A	E, B, S
		A2040A504A	V
SPEAKER TERMINAL	PC BOARD	A2040A501B	U
		A2040A502B	C, A
		A2040A503B	E, B, S
		A2040A504B	V
FILTER	PC BOARD	A2040A504C	V
HEAD PHONE	PC BOARD	A2040A501D	U
		A2040A502D	C, A
		A2040A503D	E, B, S
		A2040A504D	V
CONTROL	PC BOARD	A2040A505A	U
		A2040A506A	C, A
		A2040A507A	E, B, S
		A2040A508A	V
FUNCTION	PC BOARD	A2040A505B	U
		A2040A506B	C, A
		A2040A507B	E, B, S
		A2040A508B	U
EQUALIZER	PC BOARD	A2040A505C	U
		A2040A504C	C, A
		A2040A505C	E, B, S
		A2040A506C	V
		A2040A507C	V
TAPE	PC BOARD	A2040A505D	U
		A2040A506D	C, A
		A2040A507D	E, B, S
		A2040A508D	V
POWRR SUPPLY	PC BOARD	A2040A505E	U
		A2040A506E	C, A
		A2040A507E	E, B, S
		A2040A508E	V

SECTION 2

PARTS LIST

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7. SPEAKER TERMINAL PC BOARD 12
8. HEAD PHONE PC BOARD 12
9. POWER SUPPLY PC BOARD 12
10. FILTER PC BOARD 12
11. ASSEMBLY BLOCK 13
12. FINAL ASSEMBLY BLOCK 14
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Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

ATTENTION

1. **When placing an order for parts, be sure to list the parts no. model no., and description of each part. If any of this information is omitted, there are instances in which parts cannot be shipped or the wrong parts will be delivered.**
2. **Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.**
3. **Because part numbers and part definitions and supply in the Preliminary Parts List may have been the subject of changes, please use this parts list for all future reference.**

HOW TO USE THIS PARTS LIST

1. This Parts List shows those parts which are considered necessary for repairs. Other parts, such as resistors and capacitors, are shown in the "Common List for Service Parts" from which these parts should be selected and parts.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the parts list

a) Mechanism Block

2. HEAD BASE BLOCK

REF. NO.	PART NO.	DESCRIPTION
2-1x	BH-T2023A320A	HEAD BASE BLOCK GX-F66R
2-2	HP-H2206A010A	HEAD R/P PR4-8FU C
2-3	ZS-477876	PAN20×03STL CMT
2-4	ZS-536488	BID20×08STL CMT
2-5	ZG-402895	CS ANGLE ADJUST SPRING

SP (Service Parts) Classification

A small "x" indicates the inability to show that particular part in the Photo or Illustration.

This number corresponds with the individual parts index number in that figure

This number corresponds with the Figure Number

b) P.C Board Block

6. SYS. CON. P C BOARD BLOCK

REF. NO.	PART NO.	DESCRIPTION
6-1	BA-T2034A070A	PC SYS CON BLK GX-F44R
6-IC1	EI-324536	IC HD14049BP
6-IC2	EI-336801	IC MB8841-564M
6-IC3	EI-331661	IC SN7405N
6-IC4	EI-336725	IC M54527P
6-TR1to4	ET-200985	TR 2SC2603 F,G
6-TR5to28	ET-554657	TR 2SA733A P,Q
6-D1	ED-318292	D SILICON H 1S2473T-77 T26
6-D2to4	ED-308952	D GERMA V 1K34A-LR F07
6-D5to10	ED-318292	D SILICON H 1S2473T-77 T26
6-X1	EI-318384	OSC X'TAL NC-18C 3.579545MHZ

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

5. The kind of part and its installation position can both be determined by the Part Number. To determine where a part number is listed, utilize the Parts Index at the end of the Parts List. It is necessary first of all to find the Part Number. This can be accomplished by using the Reference Number listed at the right of the part number in the Parts Index.

WARNING

⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS

AVERTISSEMENT

⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

RECOMMENDED SPARE PARTS

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

REF. NO.		PART NO.	DESCRIPTION
1	N	BT-358519	⚠ TRANS POWER AM-A201-20(A) [A]
2	N	BT-358518	⚠ TRANS POWER AM-A201-30(C) [C]
3	N	BT-358520	⚠ TRANS POWER AM–A201-40(E,V) [E,V]
4	N	BT-358521	⚠ TRANS POWER AM-A201-50(B,S) [B,S]
5	N	BT-358517	⚠ TRANS POWER AM-A201-70(U) [U]
6		ED-355605	D LED AY5525S AMBER
7		ED-356424	D LED BG5525S GREEN
8		ED-356421	D LED BR5505S RED
9		ED-350748	D SILICON DBA60C-K15
10		ED-301911	D SILICON H DS448
11		ED-348205	D SILICON V MC931 DOUBLE
12		ED-360320	D ZENER H HZ15 2
13		ED-329056	D ZENER H HZ22 2
14	N	EF-359007	⚠ FUSE BET T 1.25A 250V [B]
15	N	EF-359225	⚠ FUSE BET T 3.15A 250V [B]
16		EF-602550	⚠ FUSE SEMKO T 1.25A 250V [E,V,S]
17		EF-691007	⚠ FUSE SEMKO T 3.15A 250V [E,V,S]
18		EF-326639	⚠ FUSE TSC A 250V 3.15A [U]
19		EF-306952	⚠ FUSE TSC A 250V 4.00A [U]
20		EF-323080	⚠ FUSE TSC 125V 3.15A [C,A]
21		EF-306957	⚠ FUSE TSC 125V 4.00A [C,A]
22	N	EI-358554	⚠ IC STK4152-2
23		EI-337228	IC M5218L0
24		EI-344764	IC M5218P-21
25		ER-318647	⚠ R FUSE ERD2FC S10 1/4W 4R7J
26		ER-328278	⚠ R FUSE ERD2FC 1/4W 10R0G
27		ER-200746	⚠ R FUSE ERD2FC 1/4W 1000G
28		ES-349070	⚠ SW SELECTOR YKS11-0002 02-4 [U]
29	N	ES-358556	SW PUSH ESB-621519 2 THROW
30	N	ES-358555	SW PUSH ESB-62672 2-02-02S
31	N	ES-358537	SW PUSH ESB-62968 4THROW
32		ES-337902	SW PUSH SDLD1P002 01-1
33		ET-322598	TR 2SB632K E,F
34		ET-310148	TR 2SD612K E,F
35	N	EV-358539	VR SLIDE 25P1SVOF W105
36	N	EV-358541	VR SLIDE 25P2SV C104
37	N	EV-358563	VR SLIDE 60P2SVOM B254

"NOTE" N: New Parts

SYMBOL FOR DESTINATION

[A] : AAL (USA)
[B] : UK (England)
[C] : CSA (Canada)
[E] : CEE (Europe)
[S] : SAA (Australia)
[U] : U/T (Universal Area)
[V] : VDE (West Germany)

1. PC BOARD BLOCK

REF. NO.	PART NO.	DESCRIPTION
1-1A	BA-A2040A020A	PC MAIN BLK AM-A201(U)
1-1B	BA-A2040A020B	PC MAIN BLK AM-A201(C,A)
1-1C	BA-A2040A020C	PC MAIN BLK AM-A201(E,B,S)
1-1D	BA-A2040A020D	PC MAIN BLK AM-A201(V)
1-2A	BA-A2040A030A	PC CONTROL BLK AM-A201(U)
1-2B	BA-A2040A030B	PC CONTROL BLK AM-A201(C,A)
1-2C	BA-A2040A030C	PC CONTROL BLK AM-A201(E,B,S)
1-2D	BA-A2040A030D	PC CONTROL BLK AM-A201(V)

NOTES:

(1) PC MAIN BLK consists of following PC BOARDS.
- MAIN AMP PC BOARD
- SPEAKER TERMINAL PC BOARD
- HEAD PHONE PC BOARD
- FILTER PC BOARD

(2) PC CONTROL BLK consists of following PC BOARDS.
- CONTROL PC BOARD
- FUNCTION PC BOARD
- EQUALIZER PC BOARD
- TAPE PC BOARD
- POWER SUPPLY PC BOARD

2. MAIN AMP PC BOARD

REF. NO.	PART NO.	DESCRIPTION
	MAIN AMP PC BOARD	
2-TR1	ET-310148	⚠ TR 2SD612K E,F
2-TR2	ET-322598	⚠ TR 2SB632K E,F
2-D1	ED-301911	⚠ D SILICON H DS448
2-D2	ED-329056	⚠ D ZENER H HZ22 2
2-D3,D4	ED-360320	⚠ D ZENER H HZ15 2
2-D5	ED-350748	⚠ D SILICON DBA60C-K15
2-SW1	ES-358555	SW PUSH ESB-62672 2-02-02S
2-SW2	ES-358556	SW PUSH ESB-621519 2 THROW
2-L1	EO-337880	COIL FIX 2 202AK-018 2R2K
2-FR1	ER-328278	⚠ R FUSE ERD2FC 1/4W 10R0G
2-FR2	ER-200746	⚠ R RUSE ERD2FC 1/4W 1000G
2-FR3, FR4	ER-318647	⚠ R FUSE ERD2FC S10 1/4W 4R7J
2-R7	ER-325269	⚠ R CB H S10 FS RDS 1/4W 222J
2-R9	ER-333355	⚠ R CB H S10 FS RDS 1/4W 103J
2-R10, R11	ER-341940	⚠ R OMF H SNP FS 1W 100J
2-R12	ER-308028	⚠ R OMF H S15 FS 1W 181J
2-R15	ER-328082	⚠ R CB H S10 FS RDS 1/4W 332J
2-R16	ER-353214	R CB H RD 1/2W 103J
2-R17	ER-328082	⚠ R CB H S10 FS RDS 1/4W 332J
2-R18	ER-323074	⚠ R CB H S10 FS RDS 1/4W 102J
2-R19	ER-355633	⚠ R OMF H S15 FS 1W 331J
2-R20	ER-353214	R CB H RD 1/2W 103J
2-R21	ER-328082	⚠ R CB H S10 FS RDS 1/4W 332J
2-R22	ER-323074	⚠ R CB H S10 FS RDS 1/4W 102J
2-C13	EC-358538	C EC V CUT 472M 45.0DC
2-C16	EC-358538	C EC V CUT 472M 45.0DC
2-C19	EC-326583	CMMY V CUT CF921 473K 400DC
	ASSEMBLY BLOCK	
2-F3A	EF-306952	⚠ FUSE TSC A 250V 4.00A [U]
2-F3B	EF-306957	⚠ FUSE TSC 125V 4.00A [C,A]
2-F3C	EF-691107	⚠ FUSE SEMKO T 3.15A 250V [E,V,S]
2-F3D	EF-359225	⚠ FUSE BET T 3.15A 250V
2-F4A	EF-306952	⚠ FUSE TSC A 250V 4.00A [U]
2-F4B	EF-306957	⚠ FUSE TSC 125V 4.00A [C,A]
2-F4C	EF-691007	⚠ FUSE SEMKO T 3.15A 250V [E,V,S]
2-F4D	EF-359225	⚠ FUSE BET T 3.15A 250V [B]

3. CONTROL PC BOARD

REF. NO.	PART NO.	DESCRIPTION
3-IC1	EI-337228	IC M5218L0
3-D1 to D3	ED-356424	D LED BG5525S GREEN
3-D4	ED-355605	D LED AY5525S AMBER
3-D5	ED-356421	D LED BR5505S RED
3-D6	ED-348205	D SILICON V MC931 DOUBLE
3-VR1	EV-358539	VR SLIDE 25P1SVOF W105
3-VR2	EV-358563	VR SLIDE 60P2SVOM B254
3-VR3, VR4	EV-358541	VR SLIDE 25P2SV C104
3-R15 R16	ER-333598	⚠ R CB H S15 FS RDS 1/2W 102J

4. FUNCTION PC BOARD

REF. NO.	PART NO.	DESCRIPTION
4-SW1	ES-358537	SW PUSH ESB-62968 4THROW

5. EQUALIZER PC BOARD

REF. NO.	PART NO.	DESCRIPTION
5-IC1	EI-344764	IC M5218P-21
5-L1	EO-338420	COIL FIX 2 FL12R202E 202K [V]
5-L2,L3	EO-336934	COIL FIX 1 LAL03KH 2R2M [V]
5-R7	ER-355214	⚠ R OMF H S15 FS RSM 2W 151J
5-J1	EJ-336904	PIN J AJC-036-ACB P 6P

6. TAPE PC BOARD

REF. NO.	PART NO.	DESCRIPTION
6-L1 to L6	EO-336934	COIL FIX 1 LAL03KH 2R2M [V]
6-J1,J2	EJ-343365	PIN J YMC21-0063 P 4P

7. SPEAKER TERMINAL PC BOARD

REF. NO.	PART NO.	DESCRIPTION
7-L1	EO-342936	COIL BALUN [V]
7-TM902	EJ-349401	TERMINAL LEVER YKD21-0027 8P

8. HEAD PHONE PC BOARD

REF. NO.	PART NO.	DESCRIPTION
8-L1	EO-336934	COIL FIX 1 LAL03KH 2R2M [V]
8-J1	EJ-358535	PHONE J 3P M1669-ACCB 6.3

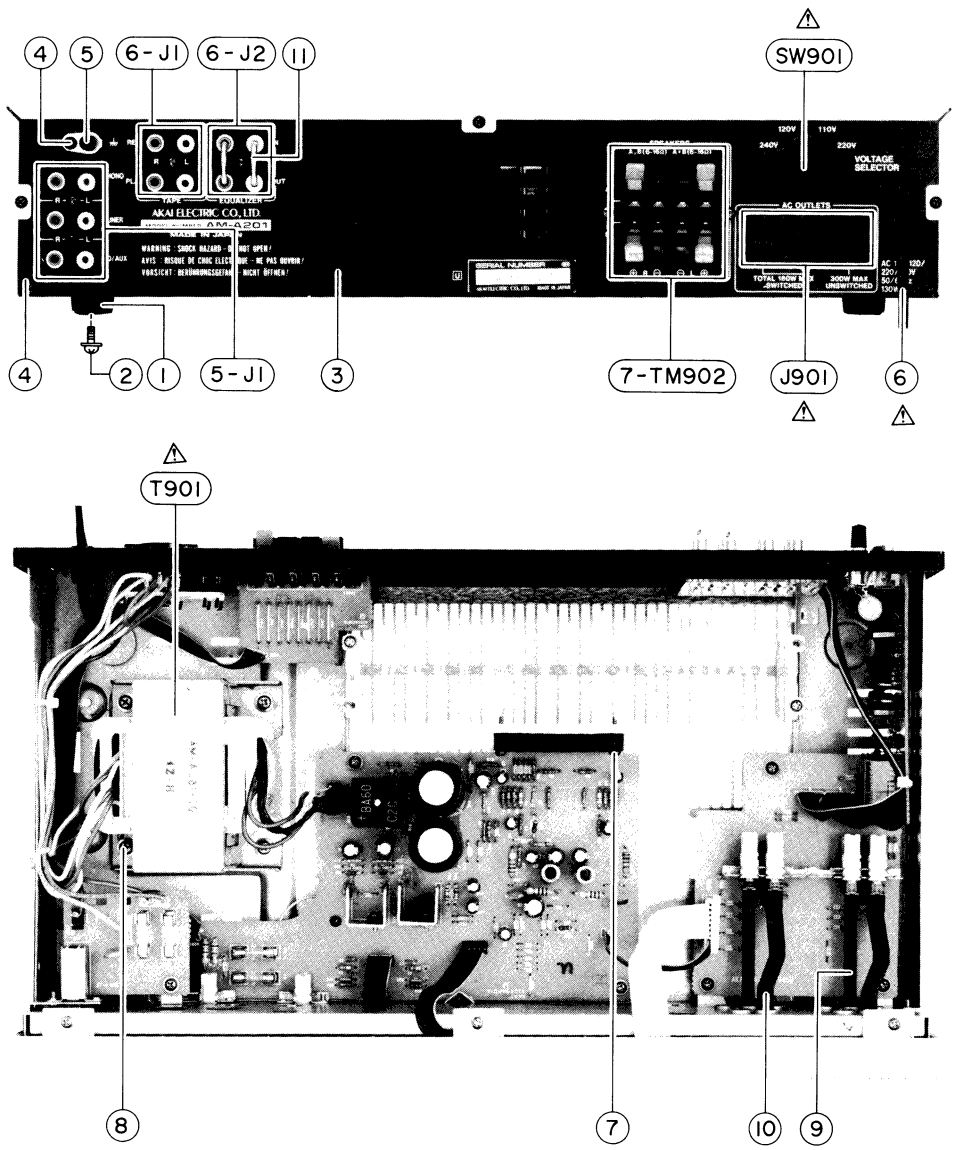
9. POWER SUPPLY PC BOARD

REF. NO.	PART NO.	DESCRIPTION
	POWER SUPPLY PC BOARD	
9-SW1	ES-337902	⚠ SW PUSH SDLD1P002 01-1
9-C1A	EC-320548	⚠ C CE V F 103Z 250AC [U]
9-C1B	EC-338411	⚠ C EC V FZ 103P 400AC [C,A]
9-C1C	EC-338496	⚠ C CE V FZ 472P 400AC [E,V,B,S]
	ASSEMBLY BLOCK	
9-F1A	EF-326639	⚠ FUSE TSC A 250V 3.15A [U]
9-F1B	EF-323080	⚠ FUSE TSC 125V 3.15A [C,A]
9-F1C	EF-602550	⚠ FUSE SEMKO T 1.25A 250V [E,V,S]
9-F1D	EF-359007	⚠ FUSE BET T 1.25A 250V [B]
9-F2	EF-326639	⚠ FUSE TSC A 250V 3.15A [U]

10. FILTER PC BOARD

REF. NO.	PART NO.	DESCRIPTION
10-L1	EO-338409	COIL LF FKOB160MH02 250UH [V]

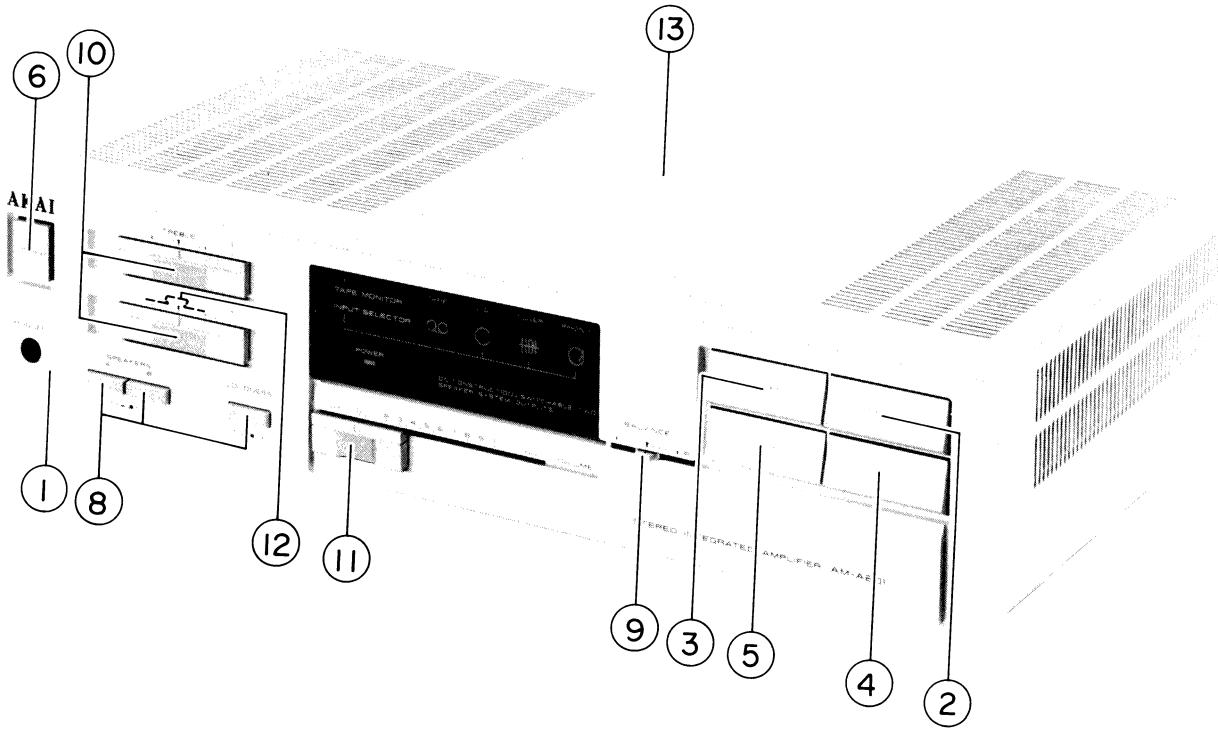
ASSEMBLY BLOCK



11. ASSEMBLY BLOCK

REF. NO.	PART NO.	DESCRIPTION
		ASSEMBLY BLOCK
11-1	SA-332850	ROUND FOOT
11-2	ZS-331567	T2BR30×08STL CMT C080
11-3A	SP-358485E	PANEL REAE AM-A201(U)
11-3B	SP-358485F	PANEL REAR AM-A201(C,A)
11-3C	SP-358485G	PANEL REAR AM-A201(E)
11-3D	SP-358485N	PANEL REAR AM-A201(V)
11-3E	SP-358485H	PANEL REAR AM-A201(B,S)
11-4	ZS-308846	T2BR30×08STL BZN PROJECTION
11-5	EJ-329610	TERMINAL W/SCREW UB-0067 L 1P
11-6A	EW-354515	⚠ AC CORD 2 CORES KP-700A, VFF-CB U/T [U]
11-6B	EW-358513	⚠ AC CORD 2 CORES KD-8W, SPT-2-CB UC [C]
11-6C	EW-358515	⚠ AC CORD 2 CORES KP-8W, SPT-1-CB UC [A]
11-6D	EW-354625	⚠ AC CORD 2 CORES KP-419C, LTCE-2F E [E]
11-6E	EW-354513	⚠ AC CORD 2 CORES KP-419C, LTCE-2F EV [V]
11-6F	EW-354512	⚠ AC CORD 2 CORES LTBS-2F-CB B [B]
11-6G	EW-354514	AC CORD 2 CORES KP-560, LTSA2F-CB S [S]
11-7	ZS-321279	T2BR30×18STL CMT
11-8	ZS-346742	ST BID40×08STL CMT CUP
11-9	TA-358475	JOINT(A)
11-10	TA-358473B	JOINT (B)-2
11-11	EJ-348218	PLUG SHORT PIN P2138
11-T901A	BT-358517	⚠ TRANS POWER AM-A201-70 (U)
11-T901B	BT-358518	⚠ TRANS POWER AM-A201-30(C)
11-T901C	BT-358519	⚠ TRANS POWR AM-A201-20(A)
11-T901D	BT-358520	⚠ TRANS POWER AM-A201-40(E,V)
11-T901E	BT-358521	⚠ TRANS POWER AM-A201-50(B,S)
11-J901A	EJ-337405	⚠ SOCKET OUTLET S2T733T 164 JUC 3×2P [U]
11-J901B	EJ-352642	⚠ SOCKET OUTLET S2T733T 114T [C,A]
11-SW901	ES-349070	⚠ SW SELECTOR YKS11-0002 02-4 [U]
		EQUALIZER PC BOARD
5-J1	EJ-336904	PIN J AJC-36 ACB P 6P
		TAPE PC BOARD
6-J1,J2	EJ-343365	PIN J YMC21-0063 P 4P
		SPEAKER TERMINAL PC BOARD
7-TM902	EJ-349401	TERMINAL LEVER YKD21-0027 8P

FINAL ASSEMBLY BLOCK



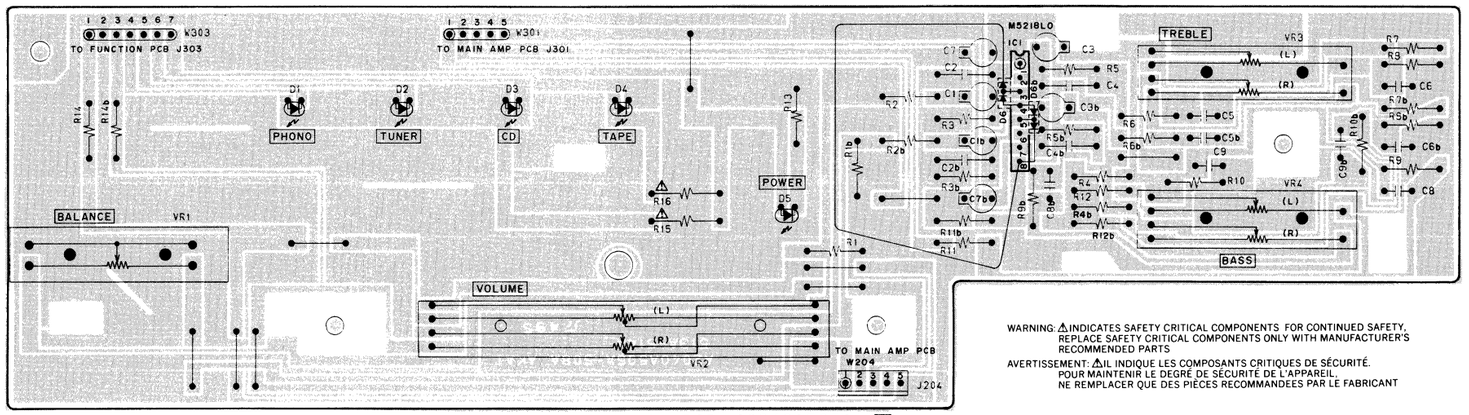
12. FINAL ASSEMBLY BLOCK

REF. NO.	PART NO.	DESCRIPTION
12-1	BD-A2040A040A	PANEL FRONT BLK AM-A201
12-1B	BD-A2040A040B	PANEL FRONT BLK AM-A201-B
12-2	SK-358482E	KNOB (A) PHONO
12-2B	SK-358482A	KNOB (A)-B PHONO
12-3	SK-358482F	KNOB (A) TUNER
12-3B	SK-358482B	KNOB (A)-B TUNER
12-4	SK-358482G	KNOB (A) CD/AUX
12-4B	SK-358482C	KNOB (A)-B CD/AUX
12-5	SK-358482H	KNOB (A) TAPE
12-5B	SK-358482D	KNOB (A)-B TAPE
12-6	SK-343017C	KNOB POWER (2)
12-6B	SK-343017F	KNOB POWER-B
	FINAL ASSEMBLY BLOCK	
12-7x	ZS-498273	T2BR30×08STL CMT PW080 [PANEL FRONT FIX]
12-8	SK-358479B	KNOB (F-2)
12-8B	SK-358479A	KNOB (F-1)
12-9	SK-358477B	KNOB (C-2)
12-9B	SK-358477A	KNOB (C-1)
12-10	SK-358480B	KNOB (E-2)
12-10B	SK-358480A	KNOB (E-1)
12-11	SK-358474B	KNOB (D-2)
12-11B	SK-358474A	KNOB (D-1)
12-12	ZG-360943	SP TONE
12-13	SP-349925A	COVER UPPER
12-13B	SP-349925C	COVER UPPER-B

NOTE:
PANEL FRONT BLK consists of 12-2 to 12-6B.
SYMBOL FOR COLOR VARIATION
NON: STANDARD COLOR
B or BL: BLACK

INDEX

PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.
BA-A2040A020A	1-1A	ER-328082	2-R17						
BA-A2040A020B	1-1B	ER-328082	2-R21						
BA-A2040A020C	1-1C	ER-328278	2-FR1						
BA-A2040A020D	1-1D	ER-333355	2-R9						
BA-A2040A030A	1-2A	ER-333598	3-R15						
BA-A2040A030B	1-2B	ER-333598	3-R16						
BA-A2040A030C	1-2C	ER-341940	2-R10						
BA-A2040A030D	1-2D	ER-341940	2-R11						
BD-A2040A040A	12-1	ER-353214	2-R16						
BD-A2040A040B	12-1B	ER-353214	2-R20						
BT-358517	11-T901A	ER-355214	5-R7						
		ER-355633	2-R19						
BT-358518	11-T901B	ES-337902	9-SW1						
		ES-349070	11-SW901						
BT-358519	11-T901C	ES-358537	4-SW1						
BT-358520	11-T901D	ES-358555	2-SW1						
		ES-358556	2-SW2						
BT-358521	11-T-901E	ET-310148	2-TR1						
		ET-322598	2-TR2						
EC-320548	9-C1A	EV-358539	3-VR1						
EC-326583	2-C19	EV-358541	3-VR3						
EC-338411	9-C1B	EV-358541	3-VR4						
EC-338496	9-C1C	EV-358563	3-VR2						
EC-358538	2-C13	EW-354512	1-6F						
EC-358538	2-C16	EW-354513	11-6E						
ED-301911	2-D1	EW-354514	11-6G						
ED-306320	2-D3	EW-354515	11-6A						
ED-306320	2-D4	EW-354625	11-6D						
ED-329056	2-D2	EW-358513	11-6B						
ED-348205	3-D6	EW-358515	11-6C						
ED-350748	2-D5	SA-332850	11-1						
ED-355605	3-D4	SK-343017C	12-6						
ED-356421	3-D5	SK-343017F	12-6B						
ED-356424	3-D1 to D3	SK-358474A	12-11B						
		SK-358474B	12-11						
EF-306952	2-F3A	SK-358477A	12-9B						
EF-306952	2-F4A	SK-358477B	12-9						
EF-306957	2-F3B	SK-358479A	12-8B						
EF-306957	2-F4B	SK-358479B	12-8						
EF-323080	9-F1B	SK-358480A	12-10B						
EF-326639	9-F1A	SK-358480B	12-10						
EF-326639	9-F2	SK-358482A	12-2B						
EF-359007	9-F1D	SK-358482B	12-3B						
EF-359225	2-F3D	SK-358482C	12-4B						
EF-359225	2-F4D	SK-358482D	12-5B						
EF-602550	9-F1C	SK-358482E	12-2						
EF-691007	2-F3C	SK-358482F	12-3						
EF-691007	2-F4C	SK-358482G	12-4						
EI-337228	3-IC1	SK-358482H	12-5						
EI-344764	5-IC1	SP-349925A	12-13						
EJ-329610	11-5	SP-349925C	12-13B						
EJ-336904	5-J1	SP-358485E	11-3A						
EJ-337405	11-J901A	SP-358485F	11-3B						
		SP-358485G	11-3C						
EJ-343365	6-J1	SP-358485H	11-3E						
EJ-343365	6-J2	SP-358485N	11-3D						
EJ-348218	11-11	TA-358473B	11-10						
EJ-349401	7-TM902	TA-358475	11-9						
EJ-352642	11-J901B	ZG-360943	12-12						
		ZS-308846	11-4						
EJ-358535	8-J1	ZS-321279	11-7						
EO-336934	5-L2	ZS-331567	11-2						
EO-336934	5-L3	ZS-346742	11-8						
EO-336934	6-L1 to L6	ZS-498273	12-7x						
EO-338409	10-11								
EO-338420	5-L1								
EO-342936	7-L1								
ER-200746	2-FR2								
ER-308028	2-R12								
ER-318647	2-FR3								
ER-318647	2-FR4								
ER-323074	2-R18								
ER-323074	2-R22								
ER-325269	2-R7								
ER-328082	2-R15								

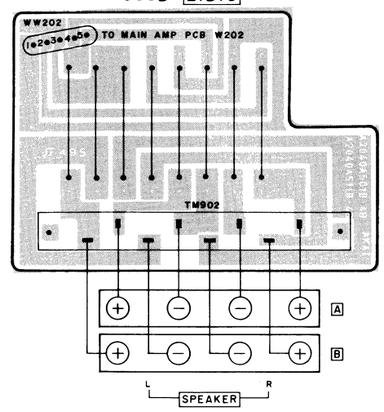


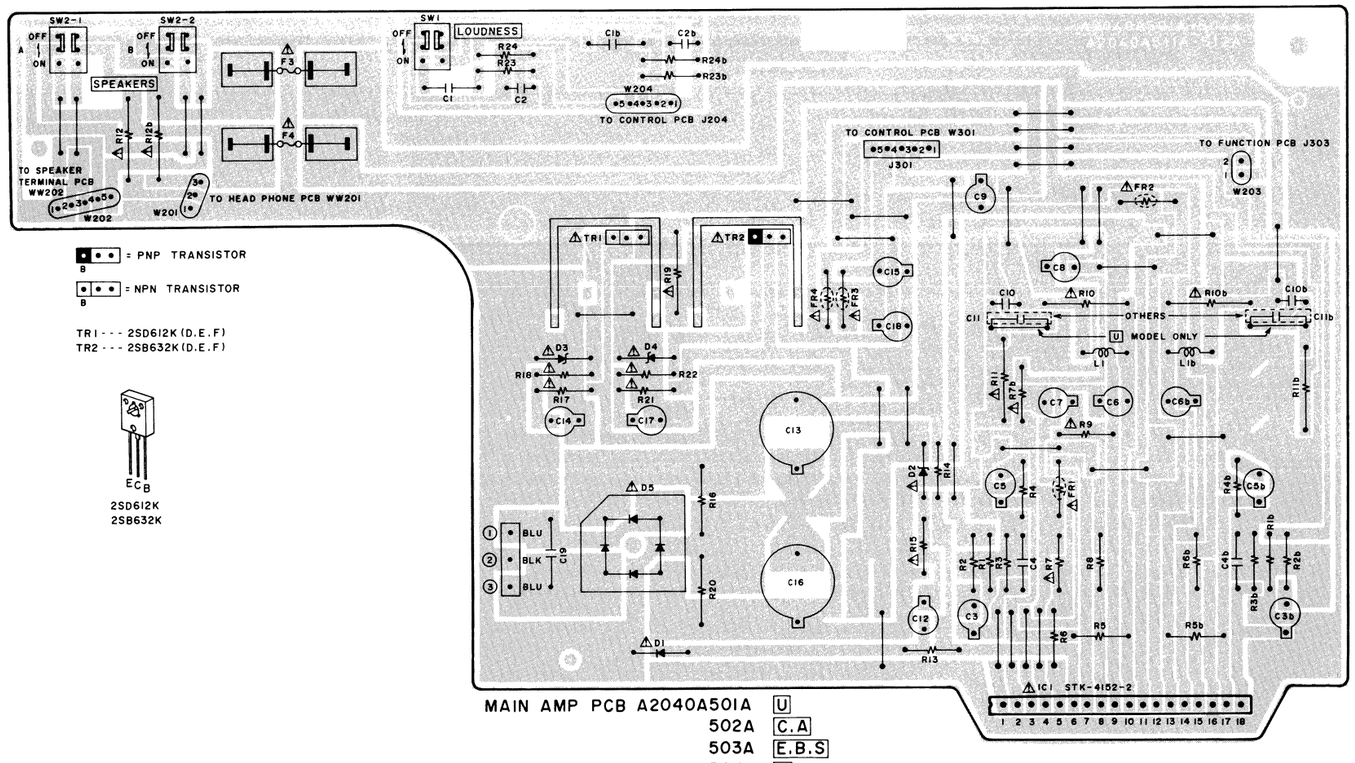
WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

CONTROL PCB A2040A505A [U]
506A [C.A]
507A [E.B.S]
508A [V]

SPEAKER TERMINAL PCB
A2040A501B [U]
502B [C.A]
503B [E.B.S]

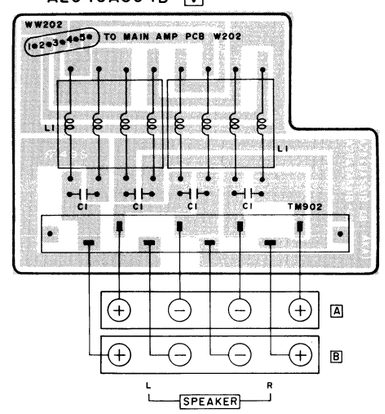


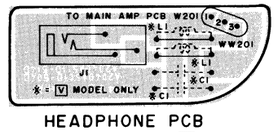


2SD612K
2SB632K

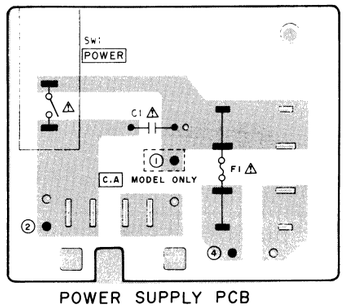
MAIN AMP PCB A2040A501A [U]
502A [C.A]
503A [E.B.S]
504A [V]

SPEAKER TERMINAL PCB
A2040A504B [V]

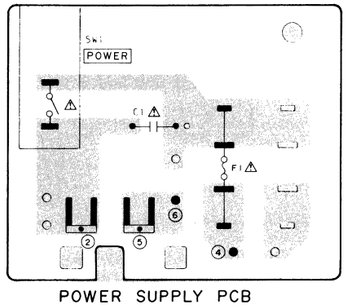




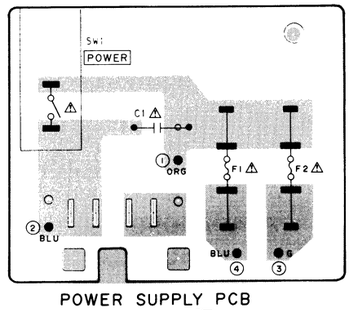
HEADPHONE PCB
A2040A501D [U]
502D [C.A]
503D [E.B.S]
504D [V]



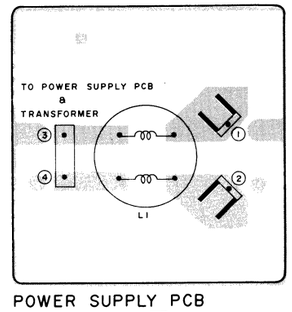
POWER SUPPLY PCB
A2040A506E [C.A]
508E [V]



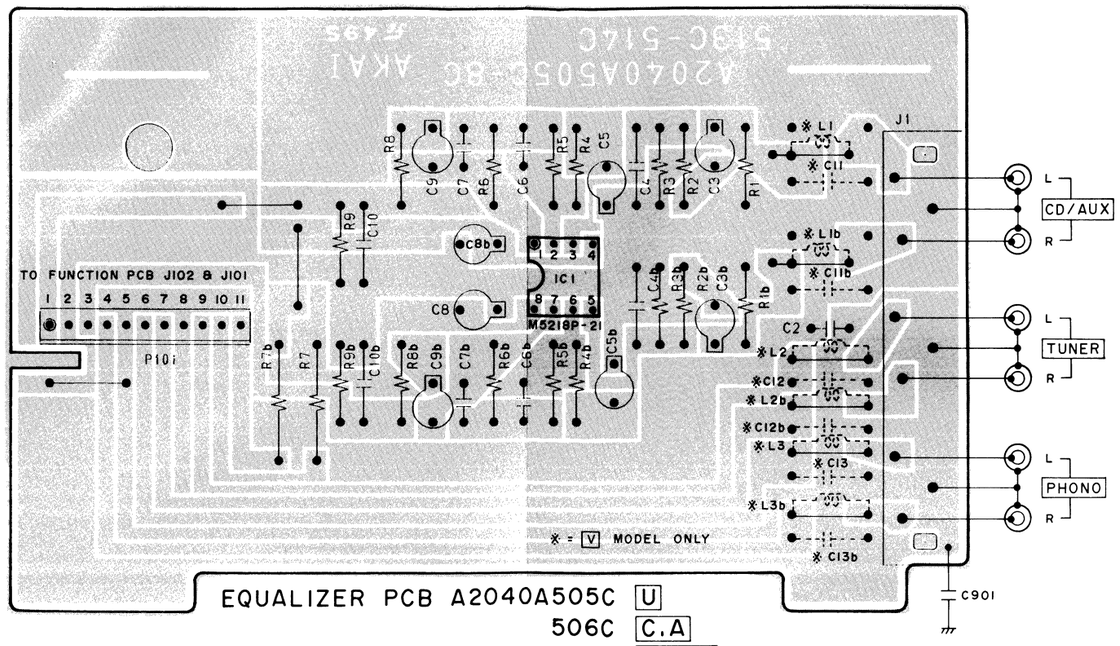
POWER SUPPLY PCB
A2040A507E [E.B.S]



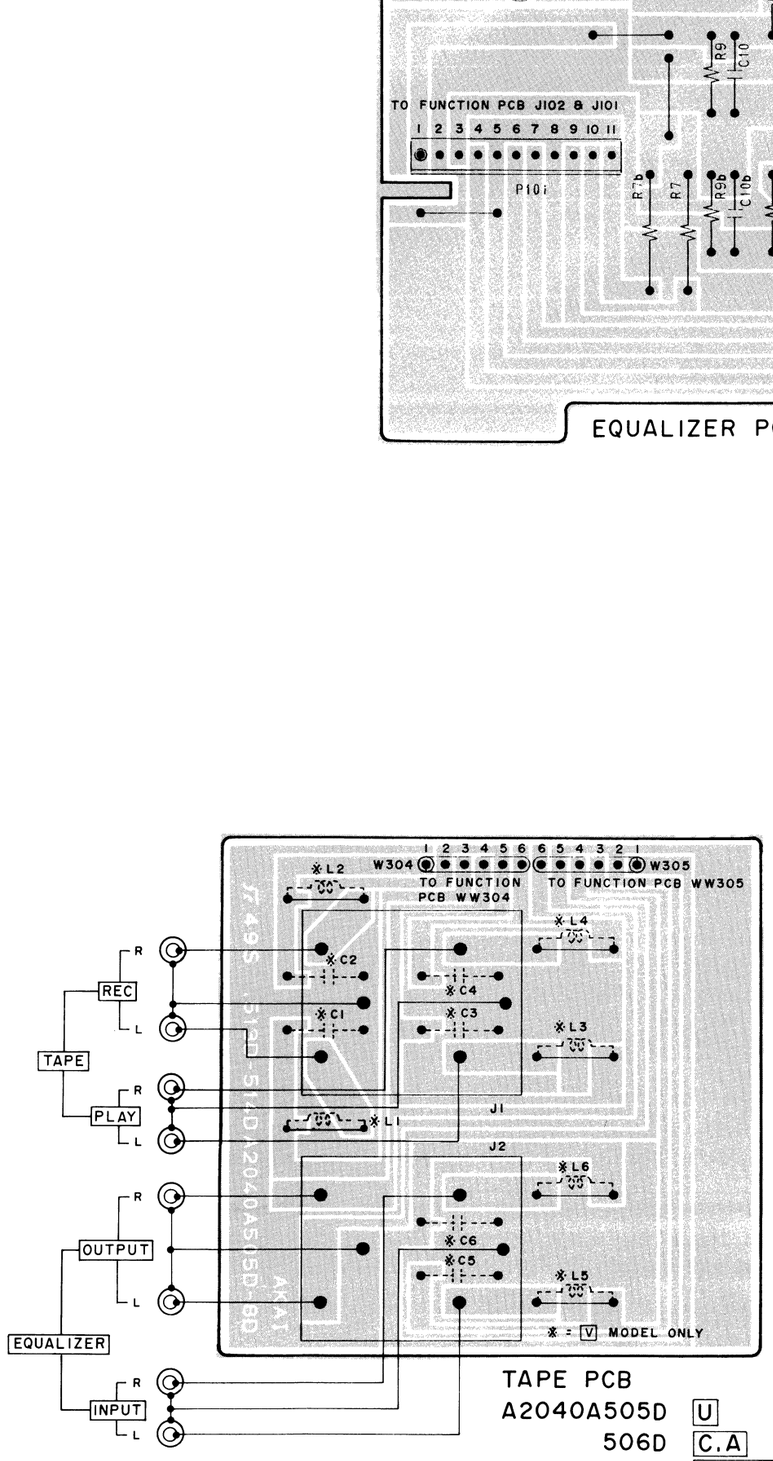
POWER SUPPLY PCB
A2040A505E [U]



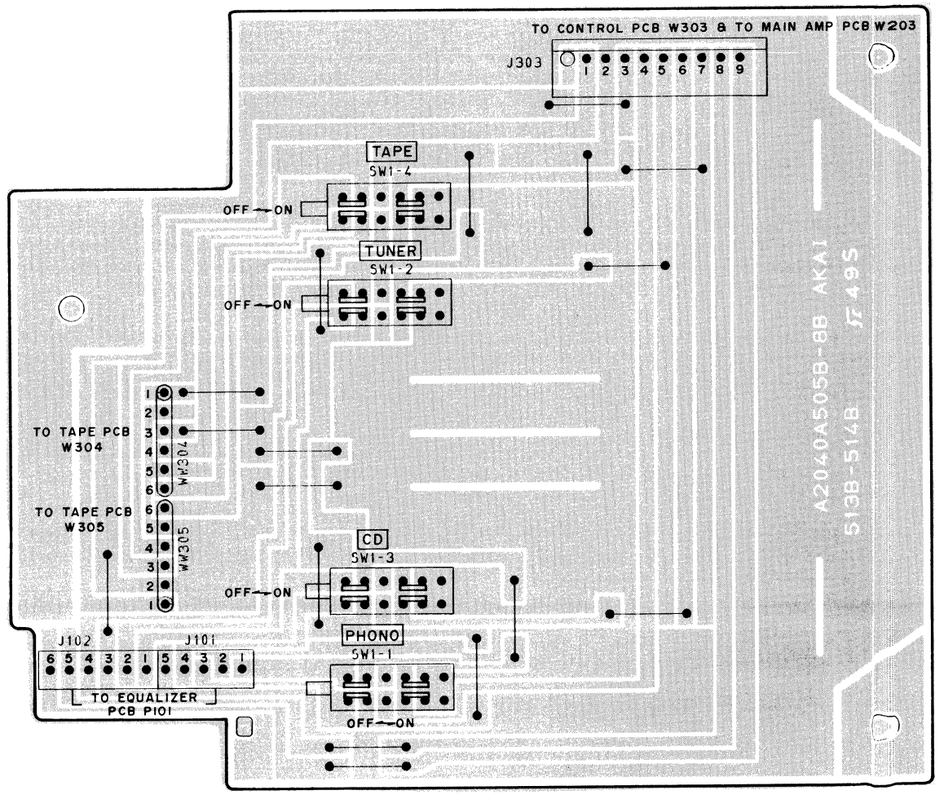
POWER SUPPLY PCB
A2040A504C [V] MODEL ONLY



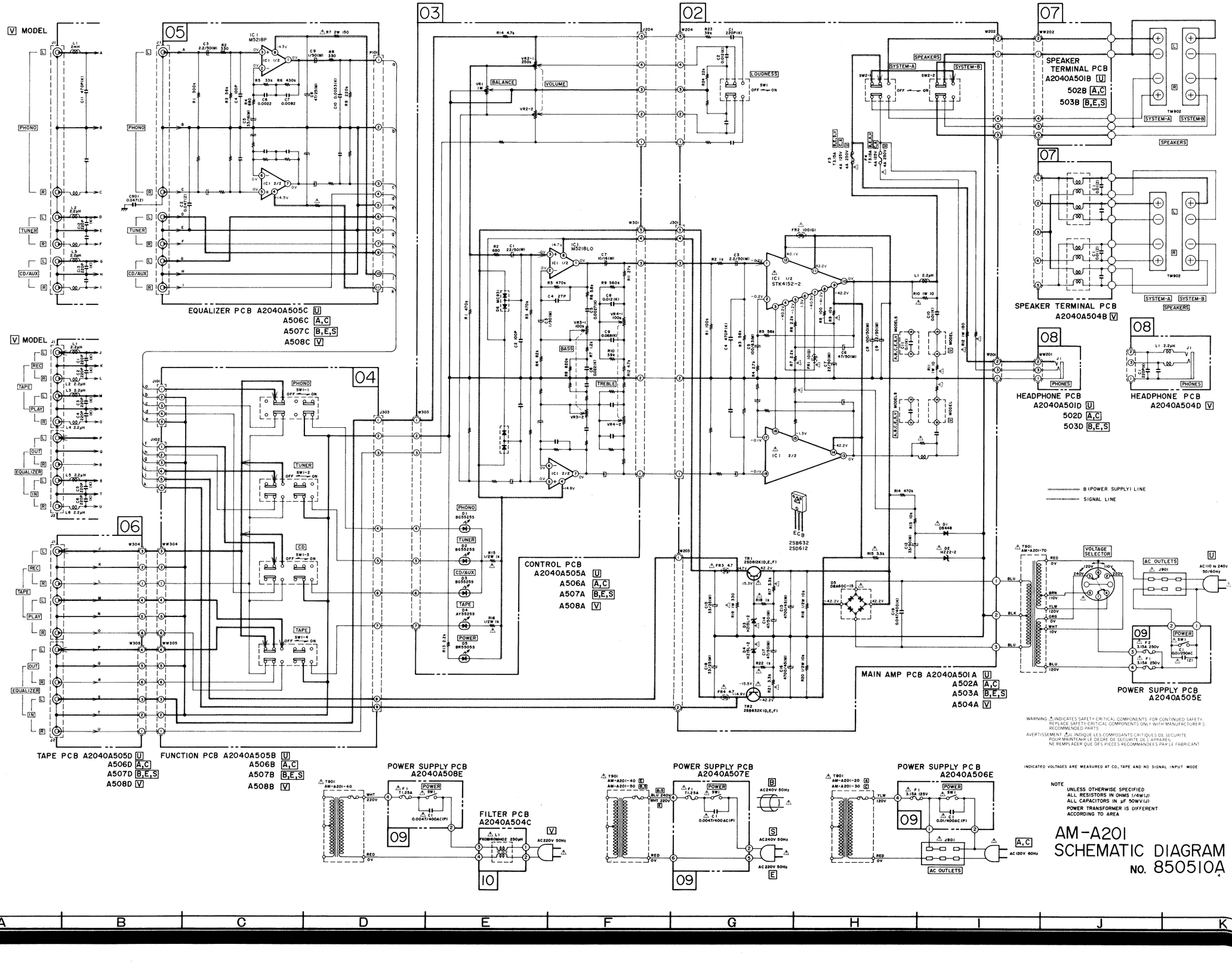
EQUALIZER PCB A2040A505C U
506C C.A
507C E.B.S
508C V



TAPE PCB
A2040A505D U
506D C.A
507D E.B.S
508D V



FUNCTION PCB A2040A505B U
506B C.A
507B E.B.S
508B V


V MODEL
05
EQUALIZER PCB A2040A505C U
A506C A,C
A507C B,E,S
A508C V
03
02
07
SPEAKER TERMINAL PCB
A2040A501B U
502B A,C
503B B,E,S
SPEAKER TERMINAL PCB
A2040A504B V
08
HEADPHONE PCB
A2040A501D U
502D A,C
503D B,E,S
HEADPHONE PCB
A2040A504D V
04
06
CONTROL PCB
A2040A505A U
A506A A,C
A507A B,E,S
A508A V
MAIN AMP PCB A2040A501A U
A502A A,C
A503A B,E,S
A504A V
POWER SUPPLY PCB
A2040A505E
TAPE PCB A2040A505D U
A506D A,C
A507D B,E,S
A508D V
FUNCTION PCB A2040A505B U
A506B A,C
A507B B,E,S
A508B V
POWER SUPPLY PCB
A2040A508E
FILTER PCB
A2040A504C V
POWER SUPPLY PCB
A2040A507E
POWER SUPPLY PCB
A2040A506E
B (POWER SUPPLY) LINE
SIGNAL LINE
WARNING ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
AVERTISSEMENT ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL, NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT.
INDICATED VOLTAGES ARE MEASURED AT CD, TAPE AND NO SIGNAL INPUT MODE
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 50WV(J)
POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA
AM-A201
SCHEMATIC DIAGRAM
NO. 850510A

AKAI

MODEL AM-A201

SCHEMATIC DIAGRAM AND PC BOARD

TABLE OF CONTENTS

1. IC'S STK4151II 1
2. AM–A201 SCHEMATIC DIAGRAM 2
3. CONTROL PCB, HEAD PHONE PCB, MAIN AMP PCB, POWER SUPPLY PCB, SPEAKER TERMINAL PCB 3
4. EQUALIZER PCB, FUNCTION PCB, TAPE PCB 4

STK4151II